

January 28th.

**TESTING METHODS AND EQUIPMENT USED
IN THE RUBBER INDUSTRY**

LECTURER: Mr. A. D. Dingle,
Dunlop Research Center, Toronto.

February 4th.

ART AND SCIENCE OF COMPOUNDING

A practical approach to this important phase of rubber technology.

LECTURER: Dr. B. S. Carvey,
Director Rubber Sales & Service Lab.,
Pensalt Chemical Corp., Wayne, Pa.

February 11th.

TEXTILES AND FIBRES

As they concern the rubber technologist.

LECTURER: Mr. J. Bennis,
Dominion Textiles, Drummondville.

February 18th

**PRODUCTION MACHINERY FOR MIXING AND
CALENDERING**

LECTURER: Mr. E. Dyer,
Dominion Engineering Co. Ltd., Toronto.

February 25th.

**PRODUCTION MACHINERY FOR CURING AND
EXTRUSION**

LECTURER: Mr. V. Hovey,
J. Royle and Sons, Patterson, N.J.

March 4th.

PRODUCTS

- (a) Tires
- (b) Footwear

LECTURERS: Mr. R. A. Knowlton, (a)
Production Manager, Tires and Tubes,
B. F. Goodrich Canada Limited,
Kitchener.
Mr. W. H. Bechtel, (b)
Chief Chemist,
Kaufman Rubber (Ontario) Ltd.,
Kitchener.

March 11th.

PRODUCTS

- (a) Industrial Products
- (b) Wire and Cable

LECTURERS: Mr. E. D. Jackson, (a)
Development Manager,
General Tire & Rubber Company,
Welland.
Mr. Emil H. Schwartz, (b)
Southern Clays Inc., New York.

March 18th.

FUTURE MATERIALS AND PROCESSES

LECTURER: Dr. E. H. Immergut,
Dunlop Research Center, Toronto.



UNIVERSITY OF TORONTO
UNIVERSITY EXTENSION

Session 1958-59

Course in
RUBBER TECHNOLOGY

Sponsored by

The Ontario Rubber Group, in conjunction
with
Division of Rubber Chemistry,
Chemical Institute of Canada.

RUBBER TECHNOLOGY

WEDNESDAYS

20 LECTURES

As a general review of basic information on rubber technology, this course is intended to give the recent technical graduate and the rubber technician a grounding in rubber compounding, fabricating and testing.

COURSE CONSULTANT:
Dr. I. H. Spinner.

COURSE CHAIRMAN:
W. J. Nichol.

Educational Programme Committee:
C. M. Croakman, Chairman,
Columbian Carbon (Canada) Ltd.
J. A. Carr, Vice-Chairman,
Dunlop Research Center.
H. K. Cunliffe,
Dunlop Canada Ltd.
A. Jaychuck,
Goodyear Tire & Rubber Co. of Canada, Ltd.
L. H. Robinson,
Canada Wire and Cable Co., Ltd.
W. J. Nichol,
Dunlop Canada Ltd.

TIME: 7.30 p.m., beginning October 8th.

PLACE: Room 2034, Wallberg Building.

FEES: \$30.00.

Registration

By mail or in person at Room 207, 65 St. George Street, 9 a.m. to 5 p.m. daily except Saturdays. Application forms and course literature may be obtained by writing The Director, University Extension, 65 St. George Street, or by telephoning WA. 3-6611, Locals 301, 304, 526, 527.

In order to accommodate students and enable them to enrol during the evening, registration will be taken—

Tuesday	September 16th
Thursday	September 18th
Monday	September 22nd
Wednesday	September 24th
Wednesday	October 1st

in the evenings from 7.30 to 9, in the Wallberg Building, corner St. George and College Streets.

PROGRAMME

October 8th.

CENTRAL INTRODUCTION TO THE COURSE

LECTURER: Dr. N. S. Crace, General Manager,
Dunlop Research Center, Toronto

THE STORY OF RUBBER AS IT APPLIES TO CANADA

LECTURER: Mr. J. W. Symons, Plant Manager,
Dominion Rubber Company,
Tire Division, Kitchener.

October 15th.

NATURAL RUBBER

A discussion of the original hydro carbon on which the industry was formed.

LECTURER: Mr. S. E. Luques,
United States Rubber Co.,
North Bergen, N.J.

October 22nd.

POLYMERIZATION

The chemical processes involved in the production of synthetic polymers will be discussed.

LECTURER: Dr. I. H. Spinner,
University of Toronto.

October 29th.

S.B.R. TYPE SYNTHETIC

The general purpose synthetic which came into being during the war will be discussed.

LECTURER: Mr. E. E. Gale,
Polymer Corporation Limited, Sarnia.

November 5th.

BUTYL AND NITRILE SYNTHETICS

Two important specialty co-polymers will be discussed.

LECTURER: Mr. H. Pfisterer, Supervisor,
Technical Service Laboratory,
Polymer Corporation Limited, Sarnia.

November 12th.

NEOPRENE, HYPALON, AND POLYURETHANE ELASTOMER SYNTHETICS and their special properties will be described.

LECTURER: Mr. T. D. Eubank,
E. I. DuPont De Nemours & Company,
Wilmington, Del.

November 19th.

RECLAIM—its manufacture and use will be discussed.

LECTURER: Mr. A. Beauchamp,
Supt. Latex & Reclaim Division,
Dominion Rubber Co. Limited, Montreal.

THIOL

LECTURER: Mr. Jules Panek,
Manager of Technical Service,
Thiokol Chemical Corporation, Trenton,
N.J.

SILICONE

LECTURER: Mr. D. C. R. Miller,
Vice-President & General Manager,
Dow Corning Silicone Limited, Toronto.

November 26th.

ANTIOXIDANTS, ANTIOZONANTS AND WAXES
Their role in the compound will be discussed.

LECTURER: Mr. C. R. Howey,
Naukatuck Chemical Co., Elmira, Ont.

December 3rd.

CARBON BLACK

A detailed description of the role played by this reinforcement material.

LECTURER: Mr. J. W. Snyder,
Director of Technical Service,
Columbian Carbon Company, New York.

December 10th.

NON BLACK REINFORCEMENT

A continuation of the study of reinforcement imparted by other materials.

LECTURER: Mr. R. F. Wolf,
Manager, Compound Research,
Columbia Southern Chemical,
Barberton, Ohio.

January 14th.

VULCANIZATION

Theory and practical application.

LECTURER: Mr. G. C. Maassen,
R. T. Vanderbilt Inc., East Norwalk,
Conn.

January 21st.

LATICES AND FOAM RUBBER

LECTURER: Mr. T. H. Rogers,
Research Section Head,
Goodyear Tire & Rubber Company,
Akron, Ohio.